Volume 54—Contents

NO. 1. JANUARY 1974

1 Insulin in Body Fluids Other than Blood
J. R. Henderson

23 Blood Coagulation Factor VIII (Antihemophilic Factor): with Comments on von Willebrand's Disease and Christmas Disease
Emily M. Barrow and John B. Graham

75 Human Cardiovascular Adjustments to Exercise and Thermal Stress
Loring B. Rowell

160 Control of Feed Intake and Regulation of Energy Balance in Ruminants
Clifton A. Baile and J. Michael Forbes

215 Peripheral Control of Movement
R. B. Stein

NO. 2. APRIL 1974

245 Physiology of Neuroglia
W. E. Watson

272 Thymic Hormones and the Immune Response
N. Trainin

316 Efferent Innervation of Vestibular and Auditory Receptors
Rainer Klinke and Niels Galley

358 Functional Significance of Connections of the Inferior Olive
D. M. Armstrong

418 Chemical Nature of Synaptic Transmission in Vertebrates
K. Krnjević

NO. 3. JULY 1974

541 Protein-Calorie Malnutrition in Children and Its Relation to Psychological Development and Behavior
Michael C. Latham

566 Physiological Effects of Locally Applied Reduced Pressure in Man
Roger A. Wolthuis, Stuart A. Bergman, and Arnauld E. Nicogossian

596 Neural Control of the Endocrine Pancreas
Stephen C. Woods and Daniel Porte, Jr.

620 Molecular Mechanisms of Temperature Compensation in Poikilotherms
Jeffrey R. Hazel and C. Ladd Prosser

678 Pulmonary Edema
Norman C. Staub

NO. 4. OCTOBER 1974

812 Chemicals as Tools in the Study of Excitable Membranes
Toshio Narahashi

890 Cellular Mechanisms of Urinary Acidification
Philip R. Steinmetz

957 Cerebrocerebellar Communication Systems
G. I. Allen and N. Tsukahara

1007 Pharmacokinetic Function of the Pulmonary Circulation
Y. S. Bakhle and J. R. Vane